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**RAW SEQUENCE LISTING**

DATE: 07/09/2004

PATENT APPLICATION: US/09/842,883A

TIME: 10:00:32

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Input Set : A:\09842881.APP.txt

Output Set: N:\CRF4\07092004\I842883A.raw

JUL 21 2004

TECH CENTER 1600/2900

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SEP 20 2004

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3 <110> APPLICANT: Rovinski, Benjamin
4   Tartaglia, James
5   Cao, Shi-Xian
6   Persson, Roy
7   Klein, Michel H.
9 <120> TITLE OF INVENTION: IMMUNIZING AGAINST HIV INFECTION
11 <130> FILE REFERENCE: 1038-1142 MIS
13 <140> CURRENT APPLICATION NUMBER: 09/842,883A
14 <141> CURRENT FILING DATE: 2001-04-27
16 <150> PRIOR APPLICATION NUMBER: 60/200,011
17 <151> PRIOR FILING DATE: 2000-04-27
19 <160> NUMBER OF SEQ ID NOS: 19
21 <170> SOFTWARE: PatentIn Ver. 2.1
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47 attgagactg taccagtaaa attaaagcca ggaatggatg gcccaaaagt taaacaatgg 1140
48 ccattgacag aagaaaaaat aaaagcatta gtagaaattt gtacagagat ggaaaaggaa 1200
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54 <210> SEQ ID NO: 2
55 <211> LENGTH: 64

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57 <213> ORGANISM: Human immunodeficiency virus
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61 gacc 64
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 38
66 <212> TYPE: DNA
67 <213> ORGANISM: Human immunodeficiency virus
69 <400> SEQUENCE: 3
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73 <210> SEQ ID NO: 4
74 <211> LENGTH: 28
75 <212> TYPE: DNA
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79 gcactcttct atagtcttga tatagtac 28
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83 <211> LENGTH: 33
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199 caagcatagc atacaaactt aacggatata gcgataatga aataatttat gattatttct 780
200 cgctttcaat ttaacacaa cctcaagaac ctttgatatt attttcaact ttaagtata 840
201 gaataaagaa agctctaatt aattaatgaa cagattgttt cgttttcccc ttggcgatc 900
202 actaattaat taaccggggc tgcagctcga ggaattcaac tataatcgaca tatttcattt 960
203 gtatacacat aaccattact aacgtagaat gtataggaag agatgtaacg ggaacagggt 1020
204 ttgttgatgc gcaaaactatt ctaatacata attcttctgt taatacgtct tgcacgtaat 1080
205 ctattataga tgccaagata tctatataat tattttgtaa gatgatgtta actatgtgat 1140
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217 caaatttgct caggttcttt aattttgtta tagtagatat caaatccaat ggagctacag 1860
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225 cgaatactct tccgtcgatg tctacacagg cataaaatgt aggagagtta ctaggcccaa 2340
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163 <210> SEQ ID NO: 14
164 <211> LENGTH: 48
165 <212> TYPE: DNA
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190 taatcatcac gcgttcataa gtttcaactg catagatcaa aatctcacta aaaagatagc 240
191 cgatgtatct gagagagatt ggacatctaa ctacgctaaa gaaattacag ttataaataa 300
192 tacataatgg attttgttat catcagttat atttaacata agtacaataa aaagtattaa 360
193 ataaaaatac ttacttacga aaaaatgact aattagctat aaaaaccag atctctcgag 420
194 gtcgacggta tcgataagct tgatatcgaa ttcataaaaa ttattgatgt ctacacatcc 480
195 ttttgtaatt gacatctata tacccttttg tataatcaac tctaactact ttaactttta 540
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